Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method comprising:

receiving a first frame at an access point from a station in a local area network, wherein the [[said]] first frame includes [[uses]] a first address configured for use as a medium access control address for the [[said]] station in the [[said]] local area network;

assigning, at the access point, an association identifier to the [[said]] station, wherein the association identifier uniquely identifies the station;

transmitting a second frame to the [[said]] station via the [[said]] local area network, wherein the [[said]] second frame comprises the [[said]] association identifier and uses said the first address configured for use as the medium access control address for the [[said]] station in the [[said]] local area network; and

receiving a third frame from the [[said]] station via the [[said]] local area network, wherein the [[said]] third frame [[uses a]] includes the second address, rather than said first address, configured for use as the medium access control address for the [[said]] station in the [[said]] local area network[[;]]

wherein the [[said]] second address is a combination of [[(1)]] at least a portion of the [[said]] first address and [[(2)]] at least a portion of the [[said]] association identifier.

2. (Currently Amended) The method of claim 1, wherein the [[said]] association identifier is unique among [[the]] all stations that are currently active in the [[said]] local area network.

3. (Currently Amended) The method of claim 1, further comprising transmitting a fourth frame to the [[said]] station via the [[said]] local area network, wherein the [[said]] fourth frame uses said includes the second address configured for use as the medium access control address for the [[said]] station in the [[said]] local area network.

4.   (Currently Amended) The method of claim 1, wherein the [[said]] association identifier is 11 bits in length.

5.   (Currently Amended) The method of claim 1, wherein the [[said]] first address is 48 bits in length.

6.   (Currently Amended) A method comprising:
    transmitting a first frame from a station in a local area network, wherein the [[said]] first frame [[uses]] includes a first address configured for use as a medium access control address for the [[said]] station in the [[said]] local area network;
    receiving a second frame at the [[said]] station via the [[said]] local area network, wherein the [[said]] second frame comprises an association identifier that uniquely identifies the station and uses said the first address configured for use as the medium control access address for the [[said]] station in the [[said]] local area network;
    transmitting a third frame from the [[said]] station via the [[said]] local area network, wherein the [[said]] third frame [[uses]] includes a second address, rather than said first address, configured for use as the medium access control address for the [[said]] station in the [[said]] local area network;
    wherein the [[said]] second address is a combination of [[(1)]] at least a portion of the [[said]] first address and [[(2)]] at least a portion of the [[said]] association identifier.

7.   (Currently Amended) The method of claim 6, wherein the [[said]] association identifier is unique among [[the]] all stations that are currently active in the [[said]] local area network.

8.   (Currently Amended) The method of claim 6, further comprising receiving a fourth frame at the [[said]] station via the [[said]] local area network, wherein the [[said]] fourth frame uses said includes the second address configured for use as the medium access control address for the [[said]] station in the [[said]] local area network.

9.　　(Currently Amended)　The method of claim 6, wherein the [[said]] association identifier is 11 bits in length.

10.　　(Currently Amended)　The method of claim 6, wherein the [[said]] first address is 48 bits in length.

11.　　(Currently Amended)　An apparatus comprising:

[[(1)]] a receiver configured to [[for]]:

(i) receiving receive a first frame from a station in a local area network, wherein the [[said]] first frame [[uses]] includes a first address configured for use as a medium access control address for the [[said]] station in the [[said]] local area network, and

(ii) receiving receive a third frame from the [[said]] station via the [[said]] local area network, wherein the [[said]] third frame [[uses]] includes a second address, rather than said first address, configured for use as the medium access control address for the [[said]] station in the [[said]] local area network;

[[(2)]] a processor for assigning configured to assign an association identifier to the [[said]] station, wherein the association identifier uniquely identifies the station; and

[[(3)]] a transmitter [[for]] configured to:

transmitting transmit a second frame to the [[said]] station via the [[said]] local area network, wherein the [[said]] second frame comprises the [[said]] association identifier and uses said includes the first address configured for use as the medium access control address for the [[said]] station in the [[said]] local area network;

wherein the [[said]] second address is a combination of [[(1)]] at least a portion of the [[said]] first address and [[(2)]] at least a portion of the [[said]] association identifier.

12.　　(Currently Amended)　The apparatus of claim 11, wherein the [[said]] association identifier is unique among [[the]] all stations that are currently active in the [[said]] local area network.

13.　(Currently Amended)　The apparatus of claim 11, wherein the [[said]] transmitter is further configured to transmit also for (ii) transmitting a fourth frame to the [[said]] station via the [[said]] local area network, wherein the [[said]] fourth frame uses said includes the second address configured for use as the medium access control address for the [[said]] station in the [[said]] local area network.

14.　(Currently Amended)　The apparatus of claim 11, wherein the [[said]] association identifier is 11 [[14]] bits in length.

15.　(Currently Amended)　The apparatus of claim 11, wherein the [[said]] first address is 48 bits in length.

16.　(Currently Amended)　An apparatus comprising:

[[(1)]] a transmitter [[for]] configured to:

(ii) transmitting transmit a first frame from the apparatus in a local area network, wherein the [[said]] first frame [[uses]] includes a first address configured for use as a medium access control address for the [[said]] apparatus in the [[said]] local area network, and

(iii) transmitting transmit a third frame from the [[said]] apparatus via the [[said]] local area network, wherein the [[said]] third frame [[uses]] includes a second address, rather than said first address, configured for use as the medium access control address for the [[said]] apparatus in the [[said]] local area network; and

[[(2)]] a receiver [[for]] configured to:

receiving receive a second frame at the [[said]] apparatus via the [[said]] local area network, wherein the [[said]] second frame comprises an association identifier that uniquely identifies the station and uses said the first address configured for use as the medium control access address for the [[said]] apparatus in the [[said]] local area network;

wherein the [[said]] second address is a combination of [[(1)]] at least a portion of the [[said]] first address and [[(2)]] at least a portion of the [[said]] association identifier.

17.   (Currently Amended) The apparatus of claim 16, wherein the [[said]] association identifier is unique among [[the]] all stations that are currently active in the [[said]] local area network.

18.   (Currently Amended) The apparatus of claim 16, wherein the [[said]] receiver is further configured to receive for (ii) receiving a fourth frame at the [[said]] apparatus via the [[said]] local area network, and wherein the [[said]] fourth frame uses said includes the second address configured for use as the medium access control address for the [[said]] apparatus in the [[said]] local area network.

19.   (Currently Amended) The apparatus of claim 16, wherein the [[said]] association identifier is 11 bits in length.

20.   (Currently Amended) The apparatus of claim 16, wherein the [[said]] first address is 48 bits in length.

21.   (New) The method of claim 1, further comprising generating, at the access point, the second address.

22.   (New) The method of claim 6, further comprising generating, at the station, the second address.

23.   (New) The apparatus of claim 11, wherein the processor is further configured to generate the second address.

24.   (New) The apparatus of claim 16, further comprising a processor configured to generate the second address.